SGCN and Habitat Stressors

Level 1 Threat Climate Change and Severe Weather

Level 2 Threat: Droughts

Description: Periods in which rainfall falls below the normal range of variation

Species Associated With This Stressor:

Total SGCN: 1: 6 2: 2 3:

Class	*Actinopterygii* (Ray-finned Fishes)	SGCN Category
Species:	***Alosa pseudoharengus*** (Alewife)	**2**
Severity:	Severe	**Actionability:** Actionable with difficulty
Notes:	Changes in annual water trends can affect water trends/discharge during important phases in the life cycle (spawning, rearing, outmigration). Recent NOAA research has shown that droughts and flooding during summer/fall can impact spring flow regimes.	
Species:	***Anguilla rostrata*** (American Eel)	**2**
Severity:	Moderate Severity	**Actionability:** Actionable with difficulty
Notes:	Droughts in the fall months could limit outmigration of adults from freshwater to marine waters.	
Species:	***Alosa sapidissima*** (American Shad)	**1**
Severity:	Moderate Severity	**Actionability:** Actionable with difficulty
Notes:	Changes in annual water trends can affect water trends/discharge during important phases in the life cycle (spawning, rearing, outmigration). Recent NOAA research has shown that droughts and flooding during summer/fall can impact spring flow regimes.	
Species:	***Salmo salar*** (Atlantic Salmon)	**1**
Severity:	Severe	**Actionability:** Actionable with difficulty
Notes:	If stream level were to become low, Atlantic salmon rearing and spawning habitat would be lost.	
Species:	***Alosa aestivalis*** (Blueback Herring)	**1**
Severity:	Severe	**Actionability:** Actionable with difficulty
Notes:	Changes in annual water trends can affect water trends/discharge during important phases in the life cycle (spawning, rearing, outmigration). Recent NOAA research has shown that droughts and flooding during summer/fall can impact spring flow regimes.	
Species:	***Osmerus mordax*** (Rainbow Smelt)	**1**
Severity:	Moderate Severity	**Actionability:** Actionable with difficulty
Notes:	Changes in annual water trends can affect water trends/discharge during important phases in the life cycle (spawning, rearing, outmigration). Recent NOAA research has shown that droughts and flooding during summer/fall can impact spring flow regimes.	

Class	*Insecta* (Insects)	SGCN Category
Species:	***Callophrys hesseli*** (Hessel's Hairstreak)	**1**
Severity:	Moderate Severity	**Actionability:** Actionable with difficulty
Notes:	Extended droughts might affect hydrology and species composition of AWC swamps	
Species:	***Williamsonia lintneri*** (Ringed Boghaunter)	**1**
Severity:	Moderate Severity	**Actionability:** Actionable with difficulty
Notes:	Increased drought or evapotranspiration could compromise long hydroperiod wetlands	

Habitats Associated With This Stressor:

Macrogroup	**Lakes and Ponds**
Habitat System Name:	**Vernal Pool**
Macrogroup	**Rivers and Streams**
Habitat System Name:	**Ephemeral**
Habitat System Name:	**Headwaters and Creeks**

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Macrogroup Rivers and Streams

Habitat System Name: Small River

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The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.